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PATENT  
ATTORNEY DOCKET  
NO. 11465/00491

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

Applicant(s): Banerjee et al.

Application No.: 09/909,248

Filed: July 19, 2001

For: Structure and Method for Controlling a Host Computer  
Using a Remote Hand-Held Interface Device

Group Art Unit: 2672

Examiner: Brier, Jeffery A

Customer No.: 27160

Confirmation No.: 9312

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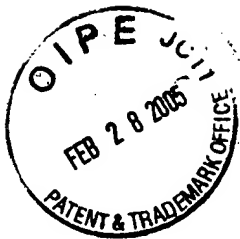
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**APPLICANTS' BRIEF ON APPEAL**

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**REAL PARTY IN INTEREST**

The real party in interest is NEC Corporation, Tokyo, Japan by virtue of an Assignment from the Inventors to Zenith Data Systems Corporation, recorded on Reel/Frame 007134/0215, a merger of Packard Bell NEC into NEC Corporation recorded on Reel/Frame 009149/0324 and 010592/0695 and an assignment from Packard Bell NEC, Inc to NEC Corporation..

## **RELATED APPEALS AND INTERFERENCES**

There are no other appeals or interferences known to the Appellants or the Appellants' representative, which are believed to directly affect or be directly affected by or have a bearing on the Board's decision in the pending appeal.

## **STATUS OF CLAIMS**

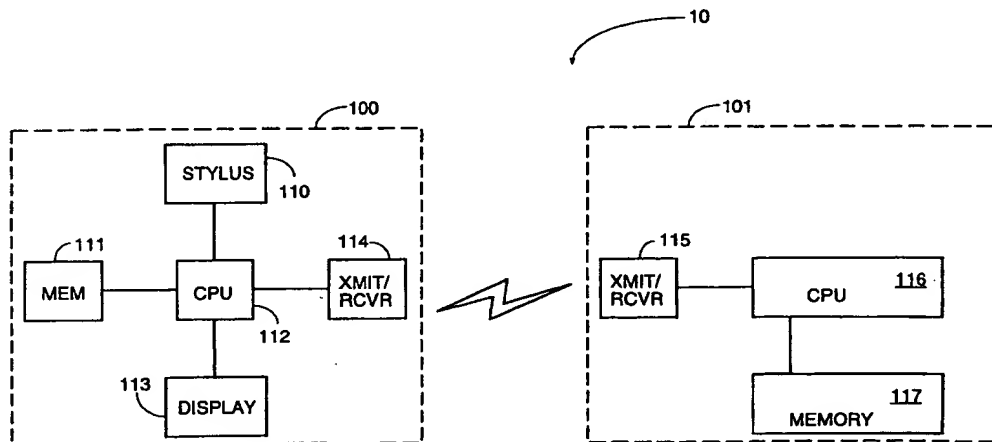
Claims 1, 6 and 7 are pending. The final rejection of claims 1, 6 and 7 forms the basis for this appeal. These claims 1, 6 and 7 have been rejected under 35 U.S.C. §103(a) as being unpatentable over McCain. U.S. patent no. 5,309,351.

## **STATUS OF AMENDMENTS**

An amendment pursuant to MPEP §1207 is being submitted herewith to overcome an objection to claim 1.

## **SUMMARY OF THE INVENTION**

The present invention relates to a mobile user interface device that is adapted to interface with a remote host computer 101 having a wireless interface 115.



**FIG. 1a**

The system includes a controller as illustrated in FIG. 1b below, which allows the interface device 100 to control the execution on the host computer 101.

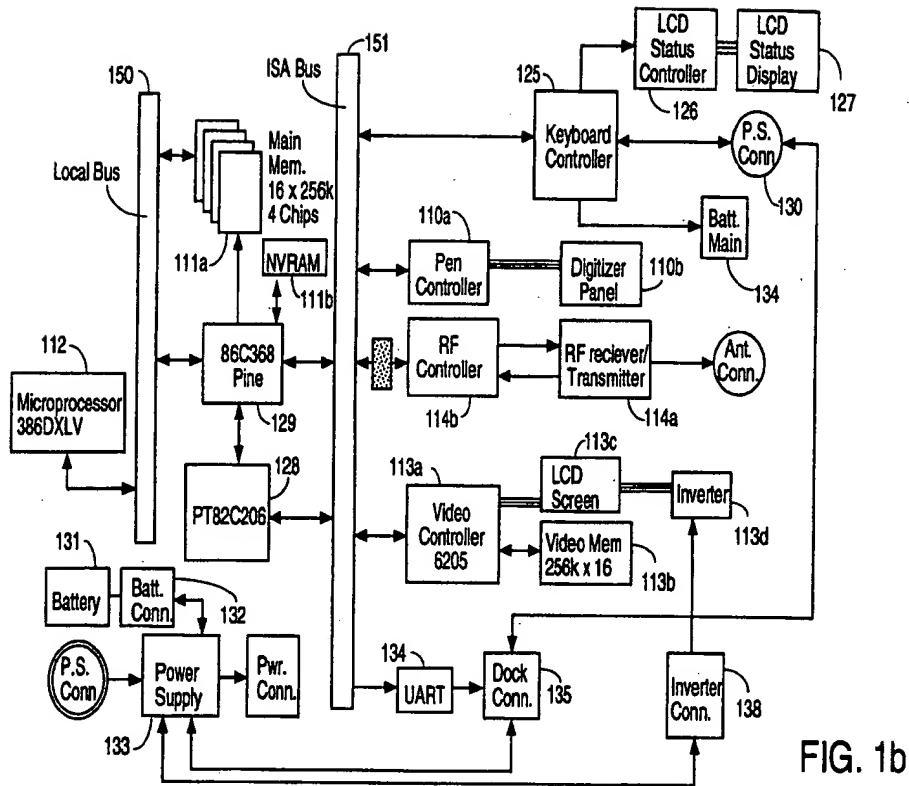


FIG. 1b

The interface device 101 includes a central processing unit (CPU) 112, a local memory sub-system 111, a stylus or pen-based input sub-system 110, an LCD sub-system 113, and a communication sub-system 114. As set forth in the specification at page 7, line 35, “the controller of (the interface) need not be a general purpose microprocessor, or even a microprocessor. Such a controller can be a logic circuit implemented, for example, by an application-specific integrated circuit.

Claims 1 and 6 are independent claims. Each of these claims recite a controller which has a mouse mode and a pen mode for *“emulating the movement of a mouse and the clicking of a mouse button in said mouse mode and means for translating pen events in a pen mode and means for switching between a pen mode and a mouse mode”*.

### ISSUES ON APPEAL

I. The Board should reverse the rejection of claims 1, 6 and 7 as being unpatentable over McCain et al US patent no. 5,309,351.

## **GROUPING OF CLAIMS**

It is respectfully submitted that claims stand or fall together.

### **ARGUMENTS**

#### **I. REJECTION OF CLAIMS 1,6 and 7 UNDER 35 U.S.C. §103(A) AS BEING UNPATENTABLE OVER McCain et al.**

As mentioned above, claims 1, 6, and 7 recite, in combination, a mobile user interface device “interface” for controlling a remote host computer. All of the claims recite that the interface includes “a controller having a pen-mode and a mouse-mode” which includes “means for monitoring pen-down events of” (a) passive stylus and emulating the movement of a mouse and the clicking of a mouse button in (a) mouse mode and means for translating pen events in a mouse mode and means for switching between a pen mode and mouse mode.” It is respectfully submitted that the McCain, et al. patent does not teach or disclose such a configuration. FIG. 7 of the McCain, et al. patent illustrates the operating modes of the hand-held interface device disclosed therein. The various operating modes of the hand-held unit are also described in detail in the McCain, et al. specification, column 9, line 15 et seq. Nowhere does the McCain, et al. patent disclose or suggest a system which can perform the same functionality as the device recited in the claims at issue. For example, the McCain, et al. patent does not disclose a system for *emulating the movement of a mouse and the clicking of a mouse button*.

It is respectfully submitted that it appears that the examiner is actually rejecting the claims based on information in the specification and not on the claims themselves. More particularly, the rejection of the claims is based on 35 U.S.C. § 103(a) based on the McCain, et al. patent. However, the examiner’s response to the Applicant’s arguments, as set forth in paragraph 3 of the Detailed Action, mailed on April 23, 2004, implies that the claims have been rejected because of information the Examiner has extracted from the specification (“Thus, the claims need to be amended to claim applicants invention of having a view manager 200 located in the handheld device anticipate pen mode events and anticipate mouse mode events while Pen Windows 310 located in the host computer makes the final determination and if the anticipation was incorrect then the view manager 200 must correct any anticipated inking or mouse mode with the host determine inking or mouse mode ... Since claim 6 does not claim where the

controller is located and since the controller is actually located in both the hand-held device and the host computer then the rejection based on McCain and Pen Windows is maintained”).

On one hand, it is respectfully submitted that the Examiner is rejecting the claims based upon 35 U.S.C. § 103(a) as being unpatentable over the McCain, et al. patent while asserting that additional information from the specification needs to be incorporated into the claims. However, the examiner has failed to address the issue that the claims, as currently amended, recite various features that are clearly not disclosed or suggested in the McCain, et al. patent. For example, the claims all recite a system which emulates, *inter alia*, a system for emulating a mouse mode, and particularly, ***emulating the movement of a mouse and the clicking of a mouse button***. Nowhere does the McCain, et al. patent disclose or suggest a system for emulating the movement of and clicking of a mouse. For these reasons, it is respectfully requested that the rejection of claims 1, 6, and 7 be reversed.

Moreover, it is respectfully submitted that the Examiner has failed to make out a *prima facie* case of obviousness. In particular, as set forth in MPEP, §2143 in order to establish a *prima facie* case of obviousness, three basic criteria must be met:

“First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine teachings. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or references when combined must teach or suggest all of the claimed limitations. The teaching or suggestion to make the claimed combination and the reasonable expectation of success must both be found in the prior art, not in the Applicants’ disclosure.”


As mentioned above, it is respectfully submitted that the Examiner has failed to show that the McCain et al patent suggests or discloses all of the claimed limitations. Accordingly, for all of the above reasons, it is respectfully submitted that based on the above, the rejection does not make out a *prima facie* case of obviousness. For these reasons and all of the above reasons, the Board is respectfully requested to reverse the Examiner’s rejection of claims 1, 6 and 7.

**CONCLUSION**

The Board is respectfully requested to reverse the rejection of the claims by the Examiner.

Respectfully submitted,

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## **APPENDIX A**

### **CLAIMS ON APPEAL**

1. A mobile user interface device for interfacing with a remote host computer having a wireless interface, comprising:

a graphical display subsystem including a digitizer responsive to a passive stylus graphical display for displaying an image;

an input subsystem including a stylus for receiving from a user, positional data representing spatial positions of said stylus;

a wireless communication subsystem for establishing a wireless communications link directly with said remote host computer for sending data to and receiving data from said remote host computer over a wireless communication link; and

a controller for controlling operations of said graphical display subsystem, said input subsystem and said wireless communication subsystem, said controller (i) causing said wireless communication to be created; (ii) causing said application program to be run on said remote host computer; (iii) receiving from said input subsystem said positional data, providing a response to said user in acknowledgement of said positional data, and transmitting over said wireless communication link from said application program data representing said image, and causing said graphical display subsystem to display said image on said graphical display, said input subsystem having a pen mode and a mouse mode and including means for monitoring pen down events of said passive stylus and emulating the movement of a mouse and the clicking of a mouse button in said mouse mode and means for translating pen events in a pen mode and means for switching between a pen mode and a mouse mode.

Claims 2-5 (Cancelled)

6 : A computer system comprising:

a hand-held interface device comprising (i) a display device; (ii) an input device; (iii) a wireless receiver and transmitter circuit for transmitting data from said input device to an

application program running on a remote host computer and receiving a response to said data from said application program running on said remote host computer; and (iv) a controller for providing an image on said display device said controller being operable in a pen mode and a mouse mode and including means for monitoring pen down events of a passive stylus and emulating the movement of a mouse and the clicking of a mouse button in said mouse mode and means for translating pen events in a pen mode and means for switching between a pen mode and a mouse mode; and

a remote host computer having a wireless receiver and transmitter circuit for communication with said hand held interface; and means for modifying said image.

7 : A computer system as recited in claim 6, wherein said wireless receiver and transmitter circuit is configured to be accessed by said remote host computer as a shared resource on a local area network.

Claims 8-13 (Cancelled).